AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

LISTING OF CLAIMS:

 (currently amended) A linear block polymer according to Formula (1)

wherein

R1 is derived from a diamine;

R2 is derived from an aromatic diisocyanate;

R3 is derived from an esterdiol;

R4 is derived from dibutyl amine or ethanolamine;

0 < y < 4 and z > 8;

said linear block polymer is made from a prepolymer produced by a method consisting essentially of adding said esterdiol at a slow rate to said aromatic diisocyanate at a temperature of 50° C to 60° C,

said rate is sufficiently slow so that said prepolymer provides 0 < y < 4 in said linear block polymer; and

said esterdiol and said aromatic diisocyanate are added in such amounts that the molar ratio between R2 and R3 is larger than 2:1, which provides a short prepolymer and a narrow distribution of hard and soft block lengths.

- 2. (previously presented) The linear block polymer according to claim 1, wherein R1 is derived from ethylene diamine, 1,3-diamino propane, 1,2-diamino propane, 1,4-diamino butane, 1,5-diamino pentane, or 1,6-diamino hexane.
- 3. (previously presented) The linear block polymer according to claim 1, wherein R3 is derived from polycaprolactone diol, polydiethylene glycol adipate or poly(pentane diolpimelate).
- 4. (previously presented) The linear block polymer according to claim 1, wherein R2 is derived from 4,4'diphenyl methane diisocyanate, naphthalene diisocyanate, or toluene diisocyanate.
- 5. (previously presented) A fibre manufactured from a linear block polymer according to claim 1.
- 6. (previously presented) The fibre according to claim 5, wherein said fibre exhibits a toughness of at least 0.1 N/Tex such that a band of more than one of said fibre has a breaking force of 1200 N.
- 7. (previously presented) The fibre according to claim 6, wherein said fibre exhibits a toughness above 0.2 N/Tex such

that a band of more than one of said fibre has a breaking force of 1200 N.

- 8. (previously presented) The fibre according to claim 5, wherein said fibre exhibits an elongation at break that is below 100 %.
- 9. (previously presented) The fibre according to claim 5, wherein said fibre exhibits an elongation at break that is 43% or below.
- 10. (previously presented) A film manufactured from a linear block polymer according to claim 1.
- 11. (previously presented) A porous polymeric material manufactured from a linear block polymer according to claim 1.
- 12. (previously presented) An implant for the implantation into the human or animal body, comprising a linear block polymer according to claim 1.
- 13. (previously presented) The linear block polymer according to claim 2, wherein R3 is derived from polycaprolactone diol, polydiethylene glycol adipate or poly(pentane diolpimelate).

- 14. (previously presented) The linear block polymer according to claim 2, wherein R2 is derived from 4,4'diphenyl methane diisocyanate, naphthalene diisocyanate, or toluene diisocyanate.
- 15. (previously presented) The linear block polymer according to claim 3, wherein R2 is derived from 4,4'diphenyl methane diisocyanate, naphthalene diisocyanate, or toluene diisocyanate.
- 16. (previously presented) A fibre manufactured from a linear block polymer according to claim 2.
- 17. (previously presented) A fibre manufactured from a linear block polymer according to claim 3.
- 18. (previously presented) A fibre manufactured from a linear block polymer according to claim 4.
- 19. (previously presented) The fibre according to claim 6 wherein said fibre exhibits an elongation at break that is below 100 %.
- 20. (previously presented) The fibre according to claim 7 wherein said fibre exhibits an elongation at break that is below 100 %.